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EADS, Cindy A.

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<210> 68
<211> 2073
<212> DNA
<213> artificial sequence

<220>
<223> MYOD1 sense bisulfite-treated CpG island; corresponding to
      up-methylated genomic sequence

<400> 68

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<210>  69
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<212>  DNA
<213>  artificial sequence

<220>
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       up-methylated genomic sequence

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<213>  artificial sequence

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       down-methylated genomic sequence
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<400> 70

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tatgatttgt ttgttttggg tttgtttatt ttaatttttg gggttttttt gtttgttgtt     780

gtatttgtgt gtttttttgt ttttgatgtt ttaagttttt tgtttttgt gtgttttta       840

gtttttttg gttttttttt tatggtttta tttttagtt ttgtgttttt aatgttttgt       900

ttttttttaa attttttatg atttgatttt tatagttgtt ttatttatgg gttttttata     960

aattagggga tagaggagta ttgaaagtta gtttagaggt gagtgtgtgt agttagtgtt    1020

ttttgtggat atagtagttg ggtgttggag aggtttggaa agggtgtgtt ggagagttaa    1080

gtgtagttgt ttagggttgt tggttgtttt ttttttttt gtttggtagg ggatttagtg     1140

tgtatgttag tgtggagggg tgggttggtt ggttagtttg tgggtttttg tggttatttt    1200

ggggattttt ttaagttttg ttttgtagtg tttttattgg ttttggattt tttttttttt    1260

agttgtttgt ttgggttttg gggtgtttag gttattatgg ataaatagtt tagggtgttt    1320

ggtgagaagt tagggtgag gaagttttgg ggtgttgttg ttgtttttttt taattataaa    1380

ttaggttgga taggagaggg aggggtgggg gatagtgggt gggtatttag attgttagta    1440

ttttgttatt tatagttggg gttttttgagt ggtagaaagt tttggttatt ttttgttgtt    1500

tgggttgggt gaagttagga ttgtgttgtg ttattgttag gatatggagt tattgttgtt    1560

attgttttgt gatgtagatt tgatggtttt tgatggtttt ttttgttttt ttgttataat    1620

ggatgatttt tatgatgatt tgtgttttga ttttttggat ttgtgttttt ttgaagattt    1680

ggatttgtgt ttgatgtatg tgggtgtgtt tttgaaattt gaagagtatt tgtattttttt   1740
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tgtggtggtg tatttggttt tgggtgtatg tgaggatgag tatgtgtgtg tgtttagtgg    1800

gtattattag gtgggttgtt gtttattgtg ggtttgtaag gtgtgtaagt gtaagattat    1860

taatgttgat tgttgtaagg ttgttattat gtgtgagtgg tgttgtttga gtaaagtaaa    1920

tgaggttttt gagatattta agtgttgtat gttgagtaat ttaaattagt ggttgtttaa    1980

ggtggagatt ttgtgtaatg ttatttgtta tattgagggt ttgtaggttt tgttgtgtga    2040

ttaggatgtt gtgttttttg gtgttgtagt tgt                                 2073
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<210>  71
<211>  2073
<212>  DNA
<213>  artificial sequence

<220>
<223>  MYOD1 antisense bisulfite-treated CpG island; corresponding to
       down-methylated genomic sequence

<400>  71
gtggttgtgg tgttaggggg tgtggtgttt tggttgtgta gtagagtttg taggtttttg     60

atatagtgga tggtgttgtg taggattttt attttgggta attgttggtt tggattgttt    120

gatgtgtagt gtttgagtgt tttaaaggtt ttatttattt tgtttaggtg gtgttgtttg    180

tgtatggtgg tggttttgtg gtggttggtg ttggtggttt tgtgtttgta tgttttgtag    240

gtttatagta ggtagtggtt tgtttggtgg tgtttgttgg gtgtgtgtat atgtttgttt    300

ttatgtgtgt ttggggttgg gtgtattgtt gtggggaagt gtgagtgttt tttgggtttt    360

aggagtgtgt ttatgtgtat taggtgtggg tttaggtttt tgaagaagtg taggtttggg    420

gagttgaaat atgggttgtt atagaagttg tttgttgtgg taaaggagta gagagagttg    480

ttggggggttg ttaggtttat gttgtggagt ggtggtgata gtagttttat attttggtgg    540

tggtgtggta tggttttggt tttgtttaat ttaagtggta gagagtggtt ggaatttttt    600

gttgtttggg agttttggtt gtagatagta aagtgttggt agtttgaatg tttatttatt    660

gtttttttatt tttttttttt ttgtttggtt tgatttgtgg ttaaggaaag tggtggtagt    720

gttttagggt ttttttattt ttagtttttt gttaggtgtt ttgggttatt tatttgtagt    780

agtttaaatg ttttggagtt taggtgggta gttgggggag ggggagtttg aggttaatag    840

gaatattgtg gggtggggtt tgggggggtt tttggggtgg ttgtaggggt ttgtagattg    900

gttagttagt ttgttttttt atattggtgt gtgtgttagg ttttttattg ggtagggagg    960

gagggagtga ttggtagttt taggtggttg tatttggttt tttggtatgt ttttttttaaa   1020

ttttttttaat atttgattgt tgtatttgtg ggaaatgttg gttgtgtgtg tttatttttg   1080
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agttgatttt taatattttt ttgtttttttg atttgtgggg gatttatggg tagagtggtt    1140

gtagaaatta ggttgtgaga gatttggaga gaggtaaggt attgggggta tagagttgag    1200

gagtgagatt gtgaaagagg gattgaaaga ggttgagaga tatgtagaaa gtagaaagtt    1260

tagagtgtta ggggtagaga aatgtatgag tgtaataata ggtggagaga ttttgagagt    1320

tgaagtgggt gagtttgaga taaatgggtt gtagaggttt tgatattttg ttagtttttg    1380

atttgggagt tgtttagtag gttgtgggtt tagttttttt tttttagatg tttagaaatt    1440

tagttatggt tgtataggaa ttggagattg ttgttaaagt tttgtgttaa ttttttttaaa   1500

tttggatttt gtttaggtta ggaatttttt ttatttaaat ttgtatgttt ttatagtagg    1560

ggtgtttagt gttatgtttg gggtttaggt tgagttgttt ttttagttgg gaagaaaatt    1620

tttttgtttg gggtttggtt ttgtttttatt tgtggtgttg agttaaggaa agtgtatttt    1680

gttaaggtgt taaattttag gatttggttt gagaatttga ttttatttta tttgaagttt    1740

ttgagagtgt ggtttgtaga ttagttgagt gtagatttta gagtttttta attgtgtgat    1800

tttgtggaag ttatgttttt tttttgagtt ttagtttta gttatagatt tggggatgat     1860

agtaatttttt tggagtaatt gtggtggga tgatagtttg aagagattaa ggatatggaa     1920

gttttttaggt ggtgatgtag ggttatttga gtaaggggtt tttagagttg gatgttgtgt    1980

tttgtaggtt tataaattta ttgtggtatt atgttttgat ggagtgttat gagttttttag    2040

gttttagttg tgttttttttt ttgtagtttt att                                 2073
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<210> 72
<211> 73
<212> DNA
<213> Homo sapiens

<400> 72
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gagcgcgcgc agccagcgtt tcccgcggat acagcagtcg ggtgttggag aggtttggaa    60

agggcgtgcc gga                                                        73
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<210> 73
<211> 73
<212> DNA
<213> artificial sequence

<220>
<223> MYOD1 sense bisulfite-treated; corresponding to up-methylated
      genomic sequence

<400> 73
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gagcgcgcgt agttagcgtt tttcgcggat atagtagtcg ggtgttggag aggtttggaa    60

agggcgtgtc gga                                                        73
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<210> 74
<211> 73
<212> DNA
<213> artificial sequence

<220>
<223> MYOD1 antisense bisulfite-treated; corresponding to up-methylated
      genomic sequence

<400> 74
ttcggtacgt ttttttaaa ttttttaat attcgattgt tgtattcgcg ggaaacgttg   60

gttgcgcgcg ttt   73

<210> 75
<211> 73
<212> DNA
<213> artificial sequence

<220>
<223> MYOD1 sense bisulfite-treated; corresponding to down-methylated
      genomic sequence

<400> 75
gagtgtgtgt agttagtgtt ttttgtggat atagtagttg ggtgttggag aggtttggaa   60

agggtgtgtt gga   73

<210> 76
<211> 73
<212> DNA
<213> artificial sequence

<220>
<223> MYOD1 antisense bisulfite-treated; corresponding to
      down-methylated genomic sequence

<400> 76
tttggtatgt ttttttaaa ttttttaat atttgattgt tgtatttgtg ggaaatgttg   60

gttgtgtgtg ttt   73